



Cofc

PTO/SB/21 (12-97)

Approved for use through 9/30/00. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(To be used for all correspondence after initial filing)

Application No.	09/913,901
Filing Date	August 21, 2001
First Named Inventor	Reijo Jokinen
Group Art Unit	3743
Examiner Name	A. Ragonese
Attorney Docket Number	TURPAT-5

Total Number of Pages in This Submission

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment / Response
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/
Incomplete Application
- ☐ Response to Missing Parts
Under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers
(For an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Routing Slip (PTO/SB/69)
And Accompanying Petition
- ☐ To Convert a Provisional Application
- ☐ Power of Attorney, Revocation
Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Small Entity Statement
- ☐ Request for Refund

- ☐ After Allowance Communication To Group
- ☐ Appeal Communication to Board Of Appeals and Interferences
- ☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter

☒ Additional Enclosures
(Please identify below):

- PTO SB/44 Certificate of Correction
- Request for Certificate of Correction with attached copy of relevant pages of record

**Certificate
JUL 14 2005
of Correction**

Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required with respect to this communication, or credit any overpayment, to Deposit Account No. 50-2663

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Patrick J.G. Stiennon, Reg. No. 34934
Signature	
Date	July 6, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:			
			July 6, 2005
Typed or printed name		Patrick J.G. Stiennon, Reg. No. 34934	
Signature		Date	July 6, 2005

JUL 15 2005



In The United States Patent And Trademark Office

Applicant: Reijo Jokinen et al. Date: July 6, 2005
Date Filed: August 21, 2001 Docket No.: TURPAT-5
App. No.: 09/913,901 Art Unit: 3743
Patent No.: 6,910,282 B1 Issue Date: June 28, 2005
For: Method and Apparatus in the Examiner: A. Ragonese
Drying Section of a Paper
Machine or the Like

Certificate of Mailing

I hereby certify that this correspondence is being deposited
with the United States Postal Service as first class mail in
an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on July 6, 2005
Date

Signature

Patrick J.G. Stiennon, Reg. No. 34934
Name of applicant, assignee or Registered Representative

**Request for Certificate of Correction
With Expedited Processing**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicant requests that a Certificate of Correction be issued as shown on the
PTO/SB/44 enclosed herewith.

This request for correction is incurred solely through the fault of the United States
Patent and Trademark Office, as is clearly disclosed in the records of the Office. The
accompanying documentation unequivocally supports this assertion of USPTO error, and

JUL 15 2005

Applicant: Reijo Jokinen et al.
Application No.: **09/913,901**
Art Unit: 3743

includes copies of the relevant pages of the record, so that this request may be processed without the file. The relevant sections of the record have been highlighted in yellow.

Expedited processing is requested under the provisions of the August 21, 2002, Official Notice in 1262 TMOG 96.

Applicant respectfully requests that the typographical error in the text of the published patent that was not in the original application be corrected by a Certificate of Correction under 37 CFR 1.322.

In column 18, line 61 of the issued patent "The device of claim 4," should be --The device of claim 21,-- as indicated by the Amendment dated December 3, 2004, on page 7, line 7. (Original claim 49 is renumbered as 21 in the published patent.)

Applicant believes that this Office mistake constitutes an error of consequence that merits the issuance of a Certificate of Correction as it is of such a nature that the intended meaning may not be obvious from the context.

Respectfully submitted,



Patrick J.G. Stiennon, Reg. No. 34934
Attorney for Applicant
Stiennon & Stiennon
612 W. Main St., Suite 201
P.O. Box 1667
Madison, WI 53701-1667
(608) 250-4870

Correct.res/amdt

JUL 15 2005

Relevant page from printed U.S. Patent No. 6,910,282 *B1*

17

pressure in the intensified negative pressure region is higher than the negative pressure which is drawn on a surface of the roll.

5. The method of claim 1, wherein the negative pressure is controlled in the intensified negative pressure region so that a desired difference in web tension is obtained between a drying section and a press section in order to optimise the web characteristics.

6. The method of claim 1, wherein the intensified negative pressure region extends about 40 to about 140 mm, and no more than 300 mm from the disengaging point, in the direction of web travel.

7. The method of claim 1, wherein the intensified negative pressure region extends about 40 mm to about 100 and no more than 300 mm from the disengaging point, against the direction of web travel.

8. The method of claim 1, wherein in the drying section the travel of the web is supported by the intensified pressure region when the web has a dry solids content of less than 65%.

9. The method of claim 1, wherein the travel of the web is supported in the intensified negative pressure region by a negative pressure, which is higher the lower the strength of the web is.

10. The method of claim 1, wherein the travel of the web is supported in the intensified negative pressure region by a negative pressure, which is higher the less chemical pulp the web contains.

11. The method of claim 1, further including cylinders positioned at the beginning of a multiplicity of drying cylinders forming a drying section over which the web and the fabric are wrapped to form a multiplicity of opening nips defining a multiplicity of disengaging points between the supporting fabric and the multiplicity of dryer cylinders, each opening nip associated with one of said first cylinders, having a related intensified negative pressure region, wherein the cylinders, are threaded full width, with the aid of the intensified negative pressure regions associated with the cylinders positioned at the beginning of said multiplicity of first cylinders.

12. The method of claim 11, wherein during the threading with full width, there is used a more intense pressure in the intensified negative pressure regions than during a normal run or a web break.

13. The method of claim 1, wherein the travel of the web is supported by an intensified negative pressure generated mainly at the opening nip of each drying cylinder in a drying section, where drying of a web formed from weak pulp is taking place.

14. The method of claim 1 wherein a blow box is arranged on the second side of the supporting fabric to generate said intensified negative pressure region and air is ejected away from the intensified negative pressure region by at least one ejection nozzle arranged in the blow box at the upstream side of the intensified negative pressure region, and that air is prevented from flowing to the intensified negative pressure region by a throttling means arranged at the output side of the intensified negative pressure region in the blow box.

15. The method of claim 14, wherein additionally, air is sucked from the intensified negative pressure region by means creating suction arranged in the blow box at the intensified negative pressure region.

16. The method of claim 1, wherein the first drying cylinder is part of a drying section and wherein a blow box is arranged on that side of the supporting fabric which is opposite to the web, to generate said intensified negative pressure region between the supporting fabric and the blow box, wherein;

18

air is sucked away from the intensified negative pressure region by means arranged in the blow box at the intensified negative pressure region, and, wherein;

air is prevented from flowing to the intensified negative pressure region by a throttling means arranged in the blow box at the downstream and upstream sides of the intensified negative pressure region.

17. The method of claim 1 wherein the roll is a turn roll.

18. The method of claim 1 wherein the roll is a second drying cylinder.

19. The method of claim 1 wherein the roll is a suction roll.

20. A device in the drying section of a paper machine comprising:

a drying section having at least one drying cylinder;

a supporting fabric;

a roll, downstream of the drying cylinder for redirecting the travel of the supporting fabric;

means for conveying a web which is supported by the supporting fabric over said at least one drying cylinder, the web being between the at least one drying cylinder and the supporting fabric;

means for guiding the web from an opening nip between said cylinder and the supporting fabric toward said roll when supported by the supporting fabric, and

means for creating a negative pressure which supports the travel of the web on that side of the web which is opposite the supporting fabric, when the web passes from the opening nip to said roll, the means for creating a negative pressure creating an intensified negative pressure in a region which covers the disengaging point between the supporting fabric and the drying cylinder, and

a lesser negative pressure in a region which is at a distance from the disengaging point,

a control means for increasing and decreasing the negative pressure in said intensified negative pressure region according to at least one parameter which acts on the runability of the web and which is varied during the run, the at least one parameter being selected from the group consisting of:

the web pulp composition,

the web grammage,

the web porosity,

the web tension,

the drying cylinder temperature; and

so that a selected runability is maintained between the cylinder and the roll.

21. The device of claim 20, wherein the means for creating the negative pressure supporting the travel of the web comprises a blow box, the blow box having an injection nozzle positioned upstream of the intensified negative pressure region, to eject air away from between the blow box and the supporting fabric, and wherein the blow box incorporates a throttling means, downstream of the intensified pressure region for preventing air from flowing into the intensified pressure region.

22. The device of claim 4, further comprising means positioned in the blow box between said injection nozzle and the throttling means for connecting the intensified negative pressure region to means for creating a negative pressure.

23. The device of claim 20, wherein the means for creating a negative pressure for supporting the travel of the web comprise a suction box,

Relevant page from amendment in U.S. Application No. 09/913,901,
filed on December 3, 2004

Applicant: Reijo Jokinen et al.
Application No.: 09/913,901
Art Unit: 3743

49. (previously presented) The device of claim 48, wherein the means for creating the negative pressure supporting the travel of the web comprises a blow box, the blow box having an injection nozzle positioned upstream of the intensified negative pressure region, to eject air away from between the blow box and the supporting fabric, and wherein the blow box incorporates a throttling means, downstream of the intensified pressure region for preventing air from flowing into the intensified pressure region

50. (previously presented) The device of claim 49, further comprising means positioned in the blow box between said injection nozzle and the throttling means for connecting the intensified negative pressure region to the means for creating a negative pressure.

51. (previously presented) The device of claim 48, wherein the means for creating a negative pressure for supporting the travel of the web comprise a suction box,
which in the intensified negative pressure region is connected to a means for providing a negative pressure between the suction box and the supporting fabric, and
in which, at an upstream border and a downstream border of the intensified negative pressure region, there are arranged seals for preventing air from flowing into the intensified negative pressure region.

52. (previously presented) The device of claim 51, wherein the seals arranged at the upstream border of the intensified negative pressure region comprise ejection nozzles which eject air away from the intensified negative pressure region.

53. (previously presented) The device of claim 48, wherein the negative pressure in the intensified negative pressure region is $> 500 \text{ Pa}$, but $< 20000 \text{ Pa}$.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,910,282 B1
DATED : June 28, 2005
INVENTOR(S): Reijo Jokinen et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In column 18, line 61 of the issued patent "The device of claim 4," should be --The device of claim 21,--

MAILING ADDRESS OF SENDER:

PATENT NO. 6,910,282

STIENNON & STIENNON
P.O. Box 1667
Madison, WI 53701-1667

No. of additional copies

± 0

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Certificate of Correction Branch, Commissioner for Patents, Washington, D.C. 20231

JUL 15 2005